

WHAT IS CLAIMED IS:

Sub. as >

1. A method for automatically verifying a security code set in a computer whose operations are controlled by a remote controller, the method comprising the steps of:
 - pressing a button on an input device;
 - transmitting said security code data to said computer;
 - checking whether the set security code is matched with the transmitted security code; and if matched, converting an operation mode of the computer into a normal mode.
2. The method of claim 1, wherein said input device is one of a remote controller, a keyboard, and a mouse.
3. The method of claim 1, wherein said input device is a remote controller.
4. The method of claim 3, wherein a shell program inside said computer for verification inputs security code data.
5. The method of claim 3, wherein the remote controller generates an instruction and a security code for remotely controlling the computer.

1 6. The method of claim 2, wherein the step of inputting the security code is automatically
2 performed when the security code verification initiation data is generated by the remote
3 controller; and wherein a user directly inputs the security code using a keyboard when the
4 security code verification initiation data is generated through another data input device.

1 7. The method of claim 1, wherein said computer comprises an operating system (OS)
2 program such as Windows to verify that the input security code matches the set security code
3 inside said computer.

1 8. The method of claim 1, wherein the function to verify a security code is provided for
2 power saving and security of the computer, and is performed just before a power state of the
3 computer is converted into a normal state from a stand-by state.

1 9. The method of claim 3, wherein the function to verify a security code is provided for
2 power saving and security of the computer, and is performed just before a power state of the
3 computer is converted into a normal state from a stand-by state.

1 10. A method for automatically verifying a security code of a multi-user computer via
2 one of a plurality of cordless remote controllers, the method comprising the steps of:
3 operating one of said plurality of remote controllers to turn on and boot said computer;

4 waiting a predetermined period of time for said computer to lapse into a stand-by mode;

5 pushing a button on one of said plurality of remote controllers to attempt to bring said
6 computer to a normal mode;

7 transmitting a password to said computer from said remote control device that attempted
8 to bring said computer back to a normal mode;

9 determining whether the remote controller used to attempt to bring said computer to a
10 normal mode is the same remote control device that booted said computer;

11 bringing said computer back to a normal mode if said remote control device used to bring
12 the computer back to a normal mode is the same remote control device used to boot the
13 computer; and

14 rebooting said computer and repeating all of the above steps if the remote control device
15 used to bring said computer to a normal mode is different from the remote control device used to
16 boot the computer.

1 11. The method of claim 10, further comprising the steps of:

2 transmitting to said computer from said one of said plurality of remote controllers a
3 password unique to said remote controller when said computer is booted;

4 saving said password of said remote controller to disk in said computer for future use;

5 and

6 comparing a password transmitted to said computer by said remote controller that is

7 attempting to resume said computer to a normal mode with said password stored in said disk to
- 8 determine whether the remote controller used to attempt to resume said computer to a normal
9 mode is the same remote controller used to boot said computer.

1 12. The method of claim 11, wherein the multi-user computer includes a plurality of
2 save-to-disk storage areas for each one of said plurality of remote controllers.

13. A computer being operated by a remote control device, said remote control device
transmitting security information to said computer to activate said computer, said computer
comprising:

a remote control signal receiver for receiving signals from said remote control device;
a shell program for handling and transmitting said received signals from said remote
control device; and
a general purpose input/output unit connected between said receiver and said shell
program to facilitate communication therebetween.

14. The computer of claim 13, said computer comprising a hierarchical structure
comprised of:

a hardware layer comprising said general purpose input/output unit and said receiver;
a basic input output system layer attached to said hardware layer;

5 an operating system layer connected to said basic input/output system layer; said
6 operating system layer comprising an operating system program that receives input from said
7 shell program regarding security information and determines whether security information input
8 by said remote device matches a security code stored in said computer; and
9 an application layer that comprises said shell program.

1 15. The computer of claim 13, wherein said remote control signal receiver comprises a
2 microprocessor for controlling the overall operation of the computer.

3 16. A method for resuming normal operation of a computer when a computer is in a
4 standby mode, said method comprising the steps of:

5 determining whether or not there has been any input to said computer for a predetermined
6 period of time;

7 performing a screen save function;

8 switching said computer from a normal operation mode into a standby state;

9 pushing a button on a remote wireless device;

10 transmitting security data from said remote device to said computer;

11 checking whether the security data transmitted from said remote wireless device matches
12 security data stored within said computer; and

13 reviving said computer from said standby mode to a normal operation mode if said

12 security data input from said remote wireless device matches said security data stored within said
- 13 computer.

1 17. The method of claim 16, further comprising the step of operating said computer from
2 said remote wireless device after said computer is restored to said normal operation mode.

1 18. The method of claim 17, further comprising the step of displaying a prompt
requesting security code data to be input to said computer.
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